

17

Figure 1

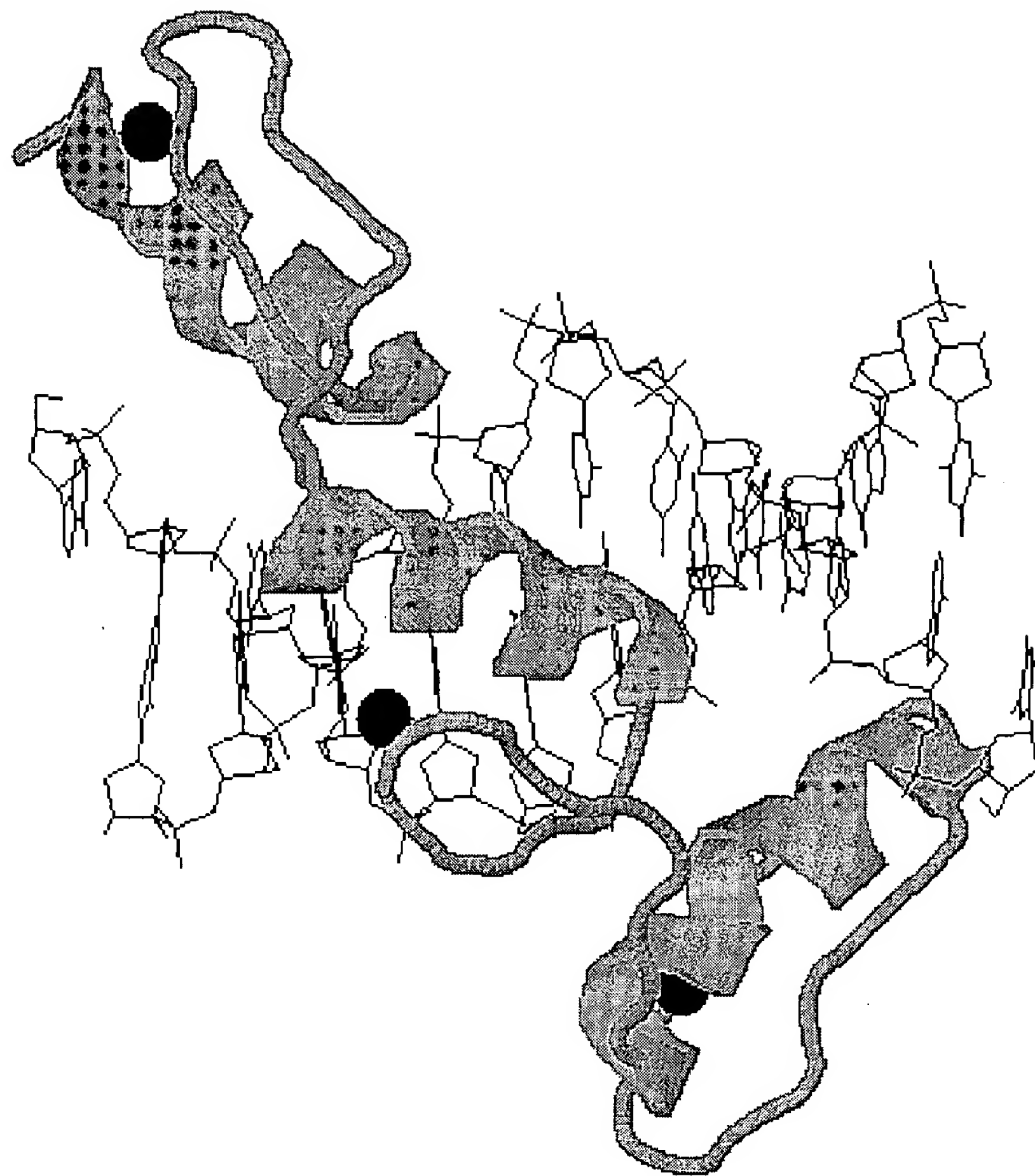


Figure 2

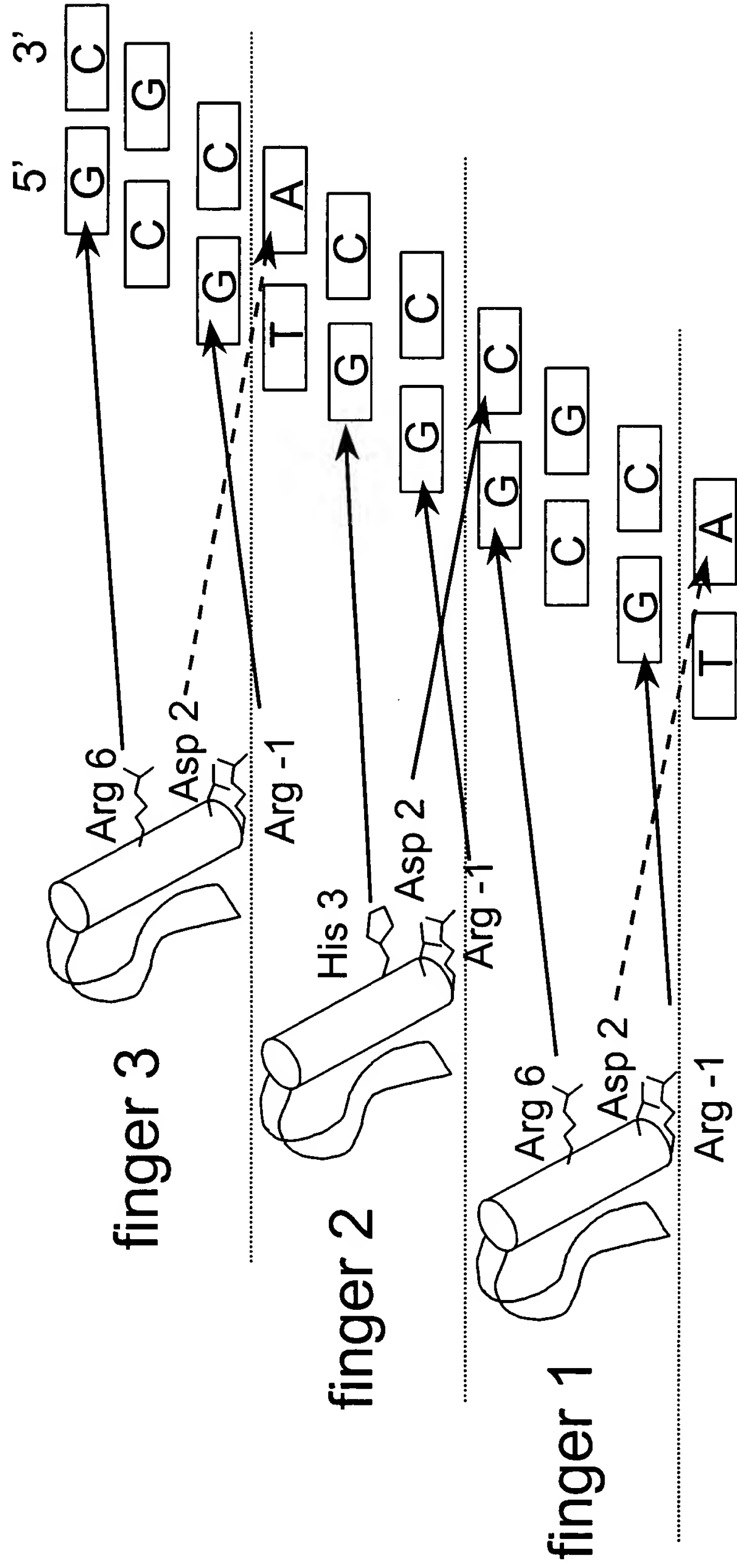


Figure 3

Base

	G	A	C	T
5'	Arg6 Lys6 Asp2 Ser2	Gln6	Ser2	Lys6 Asp2
	His3 Lys3	Asn3 Ser3 His3	Asp3 Thr3 Val3 Leu3	Thr3 Ala3 Ser3 Val3
3'	Arg-1	Gln-1	Asp-1	Leu-1 Thr-1 Asn-1

Position  
in triplet

Figure 4

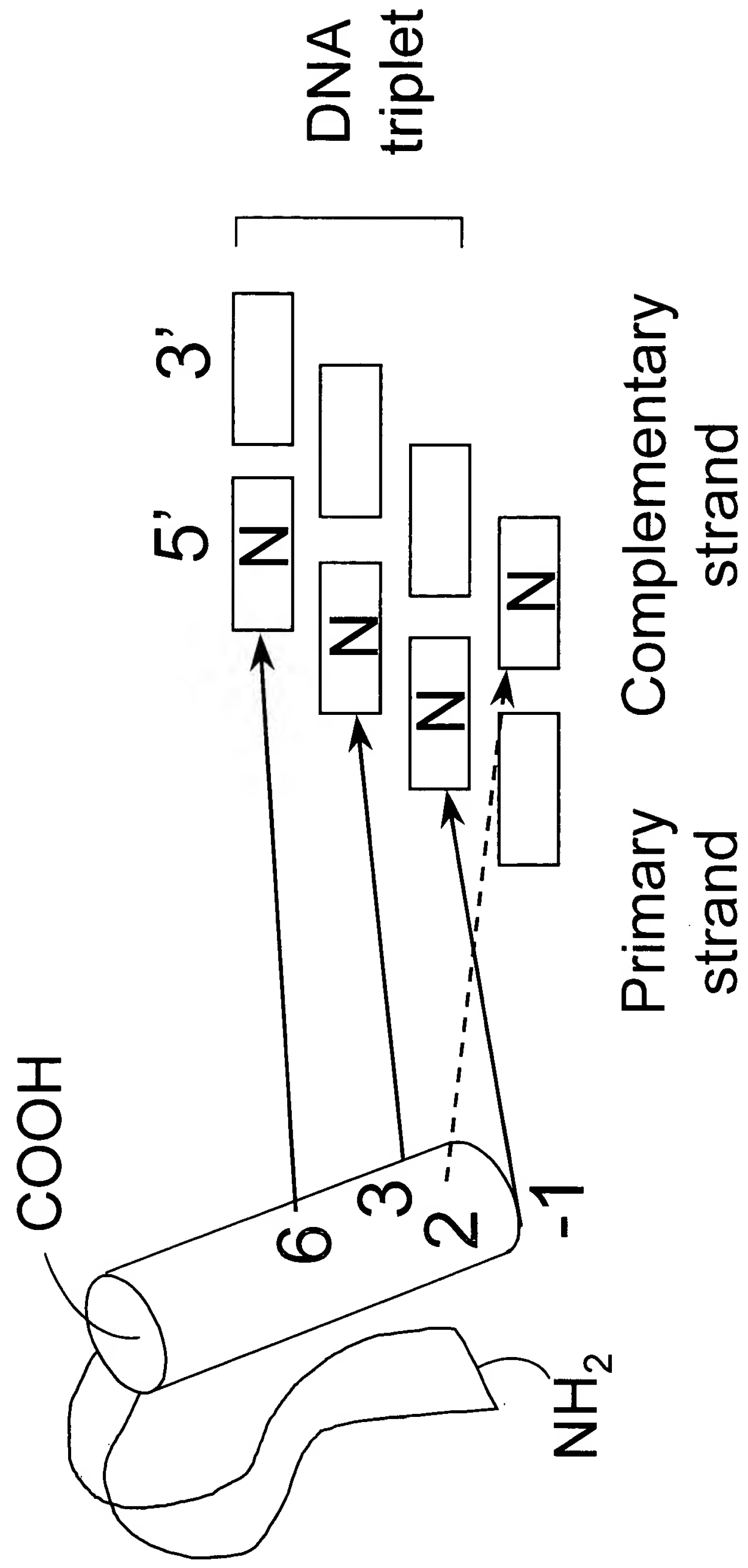
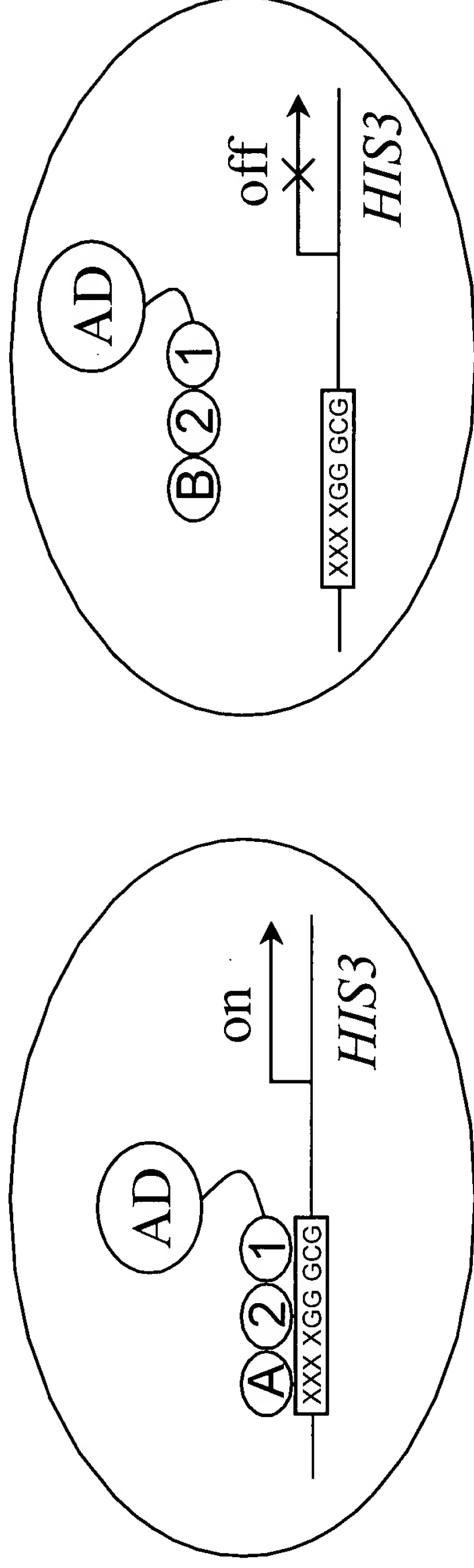


Figure 5



Growth on  
– histidine plates

Yes

No

Figure 6

HIV-1 LTR (-124/-115):	5'-GAC ATC <u>GAG C</u> -3'	(SEQ ID NO:1)
HIV-1 LTR (-23/-14):	5'-GCA GCT <u>GCT T</u> -3'	(SEQ ID NO:2)
HIV-1 LTR (-95/-86):	5'-GCT GGG <u>GAC T</u> -3'	(SEQ ID NO:3)
Human CCR5 (-70/-79):	5'-AGG GTG <u>GAG T</u> -3'	(SEQ ID NO:4)
Human CCR5 (+7/+16):	5'-GCT GAG <u>ACA T</u> -3'	(SEQ ID NO:5)

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Figure 7

GCGT (optimal Zif268-binding site)

5'-CCG GCGTGGGCG GCT GCGTGGGCG T GCGTGGGCG GACT GCGTGGGCG-3' (SEQ ID NO:6)

3'-GCACCCGC CGA CGCACCCGC A CGCACCCGC CTGA CGCACCCGC AGCT-5' (SEQ ID NO:7)

GAGC (HIV-1 LTR, -118/-115)

5'-CCGGC GAGCGGGCG GTC GAGCGGGCG T GAGCGGGCG GATC GAGCGGGCG-3' (SEQ ID NO:8)

3'-G CTCGCCCCGC CAG CTCGCCCCGC A CTCGCCCCGC CTAG CTCGCCCCGC AGCT-5' (SEQ ID NO:9)

GCTT (HIV-1 LTR, -17/-14)

5'-CCGGCT GCTTGGGCG GCT GCTTGGGCG T GCTTGGGCG GGCT GCTTGGGCG-3' (SEQ ID NO:10)

3'-GA CGAACCCGC CGA CGAACCCGC A CGAACCCGC CCGA CGAACCCGC AGCT-5' (SEQ ID NO:11)

GACT (HIV-1 LTR, -89/-86)

5'-CCG GACTGGGCG GGG GACTGGGCG T GACTGGGCG GAGG GACTGGGCG-3' (SEQ ID NO:12)

3'-TGACCCGC CCC CTGACCCGC A CTGACCCGC CTCC CTGACCCGC AGCT-5' (SEQ ID NO:13)

GAGT (Human CCR5, -76/-79)

5'-CCG GAGTGGGCG GTG GAGTGGGCG T GAGTGGGCG GATG GAGTGGGCG-3' (SEQ ID NO:14)

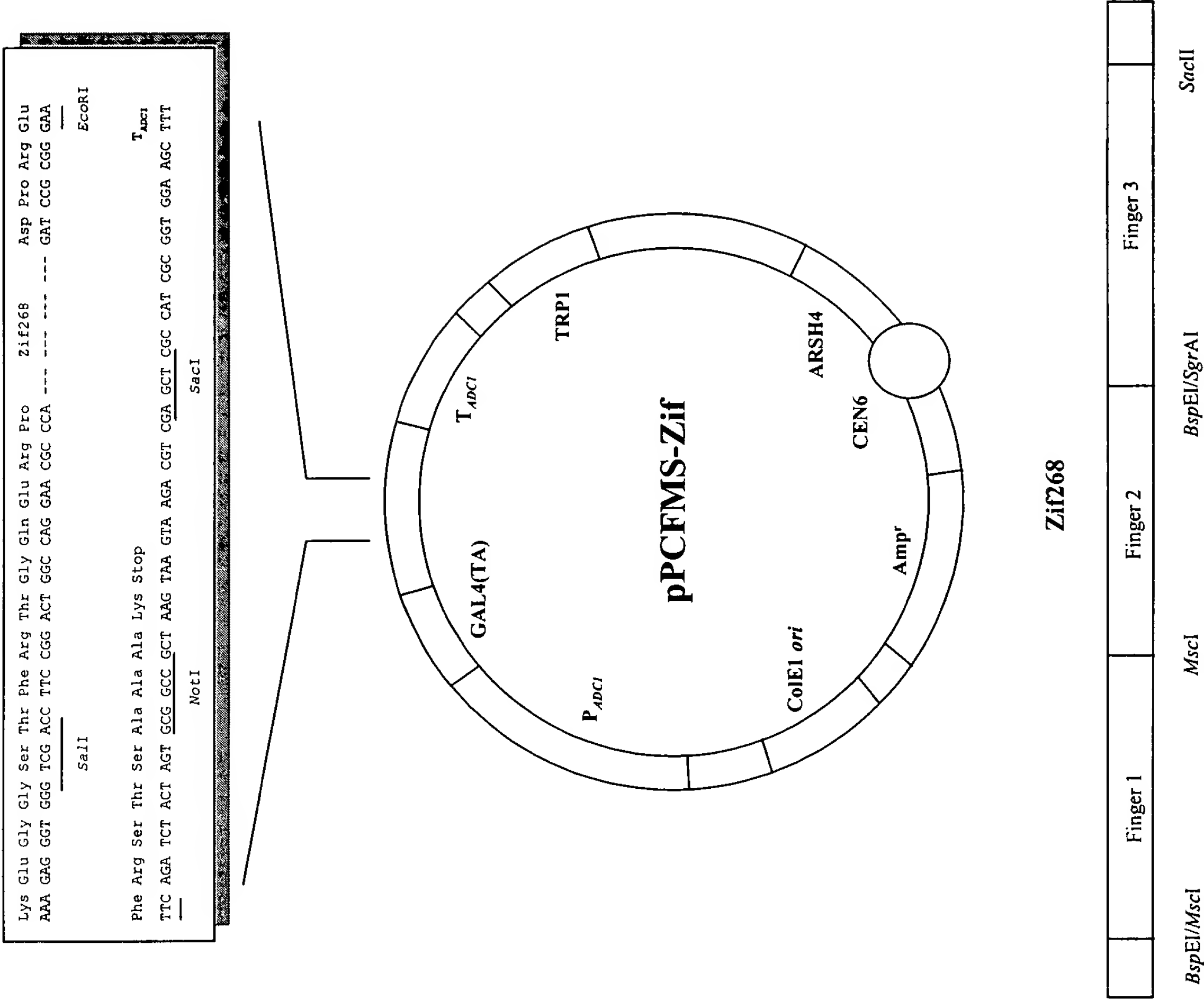
3'-TCACCCGC CAC CTCACCCGC A CTCACCCGC CTAC CTCACCCGC AGCT-5' (SEQ ID NO:15)

ACAT (Human CCR5, +13/+16)

5'-CCGG ACATGGGCG GAG ACATGGGCG T ACATGGGCG GAAG ACATGGGCG-3' (SEQ ID NO:16)

3'-TGTACCCGC CTC TGTACCCGC A TGTACCCGC CTTC TGTACCCGC AGCT-5' (SEQ ID NO:17)

Figure 8



Zif268



E R P Y A C P V E S C  
 GGG TCG ACC TTC CGG ACT GGC CAG GAA CGC CCA TAT GCT TGC CCT GTC GAG TCC TGC  
*Sall* *BspEI* *MscI*  
 D R R F S R S D E L T R H I R I H T G  
 GAT CGC CGC TTT TCT CGC TCG GAT GAG CTT ACC CGC CAT ATC CGC ATC CAC ACT GGC  
*MscI*  
 Q K P F Q C R I C M R N F S R S D H L  
 CAG AAG CCC TTC CAG TGT CGA ATC TGC ATG CGT AAC TTC AGT CGT AGT GAC CAC CTT  
 T T H I R T H T G E K P F A C D I C G  
 ACC ACC CAC ATC CGG ACC CAC ACC GGC GAG AAG CCT TTT GCC TGT GAC ATT TGT GGG  
*BspEI* *SgrAI*  
 R K F A R S D E R K R H T K I H L R Q  
 AGG AAG TTT GCC AGG AGT GAT GAA CGC AAG AGG CAT ACC AAA ATC CAT TTA AGA CAC  
 K D (SEQ ID NO: 21)  
 AAG GAT CCG CGG GAA TCC (SEQ ID NO: 20)  
*SacII* *EcoRI*

K D (SEQ ID NO: 21)

AAG GAT CCG CGG GAA TCC (SEQ ID NO: 20)

*Sac*II *Eco*RI

Figure 10

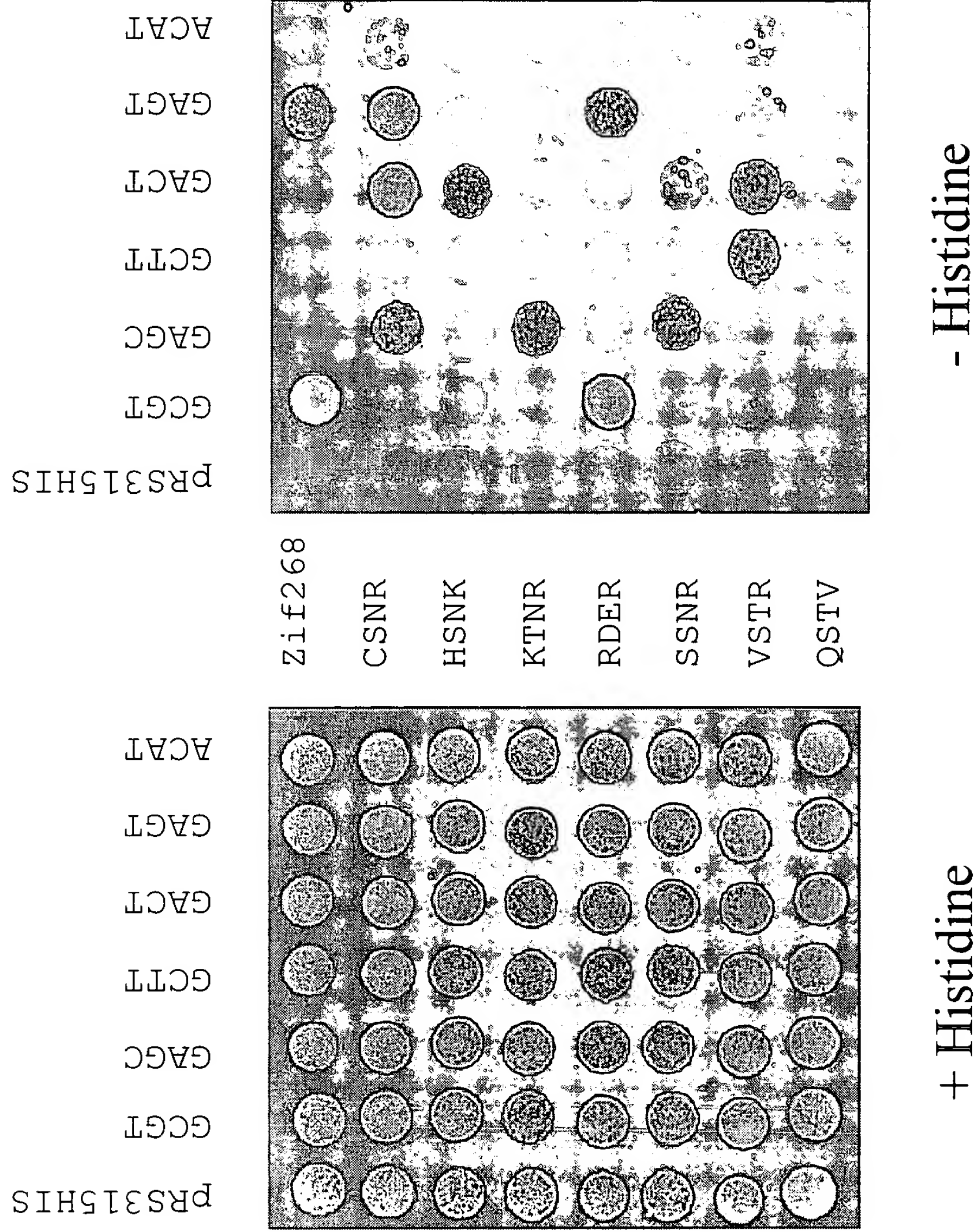


Figure 11

CSNR:

T G Q K P Y K C K Q C G K A F G C P S  
ACC GGG CAG AAA CCG TAC AAA TGT AAG CAA TGT GGG AAA GCT TTT GGA TGT CCC TCA  
-1 2  
N L R R H G R T H T G E K P R (SEQ ID NO:23)  
AAC CTT CGA AGG CAT GGA AGG ACT CAC ACC GGC GAG AAA CCG CGG (SEQ ID NO:22)  
3 6

HSNK:

T G E K P Y K C K E C G K A F N H S S  
ACC GGG GAG AAG CCA TAC AAG TGT AAG GAG TGT GGG AAA GCC TTC AAC CAC AGC TCC  
-1 2  
N F N K H H R I H T G E K P R (SEQ ID NO:25)  
AAC TTC AAT AAA CAC CAC AGA ATC CAC ACC GGC GAA AAG CCG CGG (SEQ ID NO:24)  
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SSNR:

T G E R P F E C K E C G K A F S S G S  
ACC GGG GAG AGG CCA TTT GAA TGT AAG GAA TGT GGG AAA GCC TTT AGT AGT GGT TCA  
-1 2  
N F T R H Q R I H T G E K P R (SEQ ID NO:27)  
AAC TTC ACT CGA CAT CAG AGA ATT CAC ACC GGT GAA AAG CCG CGG (SEQ ID NO:26)  
3 6

RDER:

T G Q K P Y V C D V E G C T W K F A R  
ACC GGG CAG AAG CCA TAC GTA TGC GAT GTA GAG GGA TGT ACG TGG AAA TTT GCC CGC  
-1  
S D E L N R H K K R H T G E R P R (SEQ ID NO:29)  
TCA GAT GAG CTC AAC AGA CAC AAG AAA AGG CAC ACC GGC GAA AGA CCG CGG (SEQ ID NO:28)  
2 3 6

QSTV:

T G E R P Y E C N E C G K A F A Q N S  
ACC GGG GAG AGA CCT TAC GAG TGT AAT GAA TGC GGG AAA GCT TTT GCC CAA AAT TCA  
-1 2  
T L R V H Q R I H T G E K P R (SEQ ID NO:31)  
ACT CTC AGA GTA CAC CAG AGA ATT CAC ACC GGC GAA AAG CCG CGG (SEQ ID NO:30)  
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VSTR:

T G E R P Y E C N Y C G K T F S V S S  
ACC GGG GAG AGG CCT TAT GAG TGT AAT TAC TGT GGA AAA ACC TTT AGT GTG AGC TCA  
-1 2  
T L I R H Q R I H T G E R P R (SEQ ID NO:33)  
ACC CTT ATT AGA CAT CAG AGA ATC CAC ACC GGC GAG AGA CCG CGG (SEQ ID NO:32)  
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